

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/552,087
Input File: D:\SoybeAnnotated.rpt
Output File: N:\CRF3\05092000\I552087.raw

DATE: 1/10/01
TIME: 1:00:00

1 <11> APPLICANT: B. J. A. N. G. P.
2 <12> INVENTOR: B. J. A. N. G. P.
3 <13> TITLE OF INVENTION: Amino acid sequence of a protein from a plant
4 <14> PLANT
5 <15> FILE REFERENCE: 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
6 <16> CURRENT APPLICATION NUMBER: US/09/552,087
7 <17> CURRENT FILING DATE: 2000-04-21
8 <18> NUMBER OF SEQ ID NOS: 3
9 <19> SEQ ID NO: 1
10 <20> LENGTH: 391
11 <21> TYPE: DNA
12 <22> ORGANISM: Glycine max
13 <23> GENE INFORMATION: unsure at all locations
14 <400> SEQUENCE: 1
15 agctttccct ctctgaacaa ataccctca ggcacat gga atccatctta ggcctttttc 60
16 cccaaactct cacaataggg agagaaatgt tcat taaaag cacaacaatc cctaatatta 120
17 tcaatctcta aatttttagc tctaaagaa gaaacaaatg tgggtctctc agagaggaa 180
18 tcaatctcta aatttttttt tctctttttt tatctgataa cactatgaaa tttctctc 240
19 tctctctacc attttgata ggcctttttt aacttggttt ggcctctaat gtaattaat 300
20 atttgatgat cactatgatt gacaaatttt ttaaaacaa ggtttctaaa cttacatttt 360
21 ngcggggagg cgacgcgtga ctgcgggat gcgt 394
22 <19> SEQ ID NO: 2
23 <20> LENGTH: 162
24 <21> TYPE: DNA
25 <22> ORGANISM: Glycine max
26 <400> SEQUENCE: 2
27 tgaagacaaa ctggaatttt gtttacttga taaacaaact ggcctttttt cacaattctg 60
28 tactgtctga aaggttttgt gttttgtctt cctctgtgga taaacaaact ggcctttttg 120
29 ctctctatga gcaacttgga gcaattgaga ggcctgaaga ttatctgca aatatttata 180
30 ataaacctcc tcaacctcag caacaaatgt aacaaagtta gacaaattat ggccttttta 240
31 gcaacagata caacctgga tgaagaaatc aacctaaact cactatgttc aacctctaga 300
32 aaaaacaaac ggaactgtgt ccttttttcc aatgtgtgac tttctcaaac aacctatata 360
33 ttctctcacc aatcaaaaca gacaaacaa ccaaaacaa gcaaacagct gaggcctctc 420
34 caaaagcttc cctcgaagaa ctctgagagc aatgactat gc 480
35 <19> SEQ ID NO: 3
36 <20> LENGTH: 281
37 <21> TYPE: DNA
38 <22> ORGANISM: Glycine max
39 <400> SEQUENCE: 3
40 agctttccaa gatattaagt tctctctcag aactgtctga aacgaagatg ccaattgtgt 60
41 attaaacact tctcttttgc cactgtcttg tgggaagacat gtggttgaaa ataacaattt 120
42 agtgcccaac ttgaccacaa caggaactac caaatggctt atgaacttac agtctttatc 180
43 actaacaatg ctgcttggtt aacctatgat gctcacaatc tctttgagga acaaatatga 240
44 cactgggaaa gcatcactta cttcttttca tggataaaa tgag 281
45 <19> SEQ ID NO: 4
46 <20> LENGTH: 295
47 <21> TYPE: DNA

ENTERED

RAW SEQUENCE LISTING
 FILE: ATTHOLD.VSR US/09/552,087

FILE: C:\Crf3\05092000\1552087.raw
 NAME: 1552087

Input Set: D:\SoybeAnnotated.rpt
 Output Set: N:\Crf3\05092000\1552087.raw

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101-210- ORGANISM: Glycine max
102-210- LENGTH: 144
103-210- TYPE: DNA
104-210- ORGANISM: Glycine max
105-210- OTHER INFORMATION: unique at all n locations
W--> 104 <400> SEQUENCE: 5
W--> 106 tcatgttttaa tcatcacctc aatcttatta tagcaganaa ctcaaatata aattctatta 60
108 aaagttagaa ctctgtggcat gattccttat aaatatctac tacaataatt ttaatactac 120
110 tctacatgag gaaggaatc cagtatcttc caatactata tcaatttate catattttac 180
112 attttcccat acctctcata tacaatgaca atggttcttc tctttcagga gcatcctaac 240
W--> 114 aagctctgcgc agtttta-gga ttgacttcat cagttntcaa cctagtggta tttttttcag 300
116 tctaatctag gacatttata tcaaatatga atttttgcga tctcaatggg taagtttttt 360
118 gaataactat tcttgactgc accacccaac actatagata tcaattggag aggaacatt 420
120 cat
121-210- SEQ ID NO: 6
121-210- LENGTH: 144
122-210- TYPE: DNA
123-210- ORGANISM: Glycine max
124-210- OTHER INFORMATION: unique at all n locations
W--> 129 <400> SEQUENCE: 6
131 tagactaatt tcaacttacc atctctcagc taatggccaa actgaacgga ccaatttagtc 60
133 atttg tacc ctcttgaagg catatgtctt gagaacaaa aqaagttagg agaattttct 120
135 tccatcttat aagtttcact atcaaacata ttttcactct acatttcata tgaactctta 180
137 tgaagctttt tatggtttaa gttttacaa cctttatgt tggtttaaac ccggaatagg 240
139 ccttaccata ggaatgggaag tggtaacaaa aaccacccag aaagtaatt taatcnaaga 300
W--> 141 aaggtatgagg actgctcaga gtangcaaaa aagttatcat gataagagga ggaaagatct 360
143 gaattttgag attgttgcac atgtattctt gataatcaat ccaatgaact ggggttggtg 420
145 agcatgaaa tccgaagaag tcaaacctca ctttatcat cctt
148-210- SEQ ID NO: 7
149-210- LENGTH: 144
150-210- TYPE: DNA
151-210- ORGANISM: Glycine max
152-210- OTHER INFORMATION: unique at all n locations
W--> 154 <400> SEQUENCE: 7
W--> 156 ntntattgat tntttttatg tcttgaccac gaattagaga ctaattcttt gaaatattga 60
158 gatttttata aaagataata tctcccaaaa aaatattatt atattcaaac tgattaatat 120
160 gaacatgaaa aataacaaaa acacccatata aaatttagat ttaggatatt atttttaatt 180
162 acttttaggia atgtttattga tgtcaccttc aaaaagtatg tgaagggatg agtgattaat 240
164 cataaaattt ggtctctata agttatatcg ataaatttaa atttaatttt taactcaaga 300
166 attaaggaaa gctttcctaa aaagagaaaa atcaaatitt catttgacat gataattggt 360

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Page 1 of 1 D:\SoybeAnnotated.rpt
Page 1 of 1 N:\CRE\3\05092000\1552087.rdw

RAW SEQUENCE LISTING
 FILE: C:\Cr3\Outhold\Vsrl552087

DATE: 09/09/2007
 TIME: 10:00:00

Input File: D:\SoybeAnnotated.rpt
 Output File: N:\Cr3\Outhold\Vsrl552087.raw

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255 >210> SEQ ID NO: 12
256 >211> LENGTH: 161
257 >212> TYPE: DNA
258 >213> ORGANISM: Glycine max
259 >223> OTHER INFORMATION: unsure at all n locations
W--> 261 <400> SEQUENCE: 12
W--> 272 tgataaagag attntgatag aagactntga ggccaaacta ttccaatata aaatgagatt 60
273 atttaacaaa tttaactaaq ttttaattta tgaattttct tatattattt atttaactaa 120
274 aaataattatg atttaactaa atttaatttt tttaactaa ttcaaaactg caaatattac 180
275 atttattatg atttaactaa atttaatttt tttaactaa ttcaaaactg caaatattac 240
276 ttgaataaag ctttgatagg ttttaacaa tttaactaa ttcaaaactg caaatattac 300
277 tcaattttta tttaactaa tttaactaa tttaactaa ttcaaaactg caaatattac 360
278 aggaataacta aggaataact tttaactaa tttaactaa ttcaaaactg caaatattac 420
279 aggaataacta aggaataact tttaactaa tttaactaa ttcaaaactg caaatattac 480
280 >210> SEQ ID NO: 13
281 >211> LENGTH: 161
282 >212> TYPE: DNA
283 >213> ORGANISM: Glycine max
284 >223> OTHER INFORMATION: unsure at all n locations
W--> 295 <400> SEQUENCE: 13
W--> 297 tgtaaatgat tacacacata ctgtaatcga ttaccatagg agtntttcag aanacattct 60
298 caaatattac attttttttt attttttttt attttttttt attttttttt attttttttt 120
299 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 180
300 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 240
301 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 300
302 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 360
303 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 420
304 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 480
305 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 540
306 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 600
307 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 660
308 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 720
309 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 780
310 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 840
311 attttttttt attttttttt attttttttt attttttttt attttttttt attttttttt 900
312 >210> SEQ ID NO: 14
313 >211> LENGTH: 167
314 >212> TYPE: DNA
315 >213> ORGANISM: Glycine max
316 >223> OTHER INFORMATION: unsure at all n locations
W--> 320 <400> SEQUENCE: 14
322 aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc 60
323 aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc 120
324 aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc 180
325 aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc 240
326 aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc 300
327 aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc aggtttatgc 360
328 gtcatttttg agcatttttt gccattatca caattcacct tatggngggc attttaaatgg 240
329 agaaagaagt gctgccaagg ttctccaagc angaattttg tggcccatgc tatataaaga 300
330 agaaagaagt gctgccaagg ttctccaagc angaattttg tggcccatgc tatataaaga 360
331 agaaagaagt gctgccaagg ttctccaagc angaattttg tggcccatgc tatataaaga 420
332 agaaagaagt gctgccaagg ttctccaagc angaattttg tggcccatgc tatataaaga 480
333 gaatgagatg gccttgaaca acattettga agntgaagtt ttgactg 407
334 >210> SEQ ID NO: 15
335 >211> LENGTH: 132
336 >212> TYPE: DNA
337 >213> ORGANISM: Glycine max

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[illegible]

Input File: D:\SoybeAnnotated.rpt
Output File: N:\CRF3\05092000\1552087.raw

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41  >>> OTHER INFORMATION: unsure at all n locations
W--> 343 <400> SEQUENCE: 15
W--> 345 tgtaatcgat tgcacacata ctgtaatcga ttaccagagg agtntttcag aaaatattct 60
417 aacacatcac atctttttgt ataatcttga aatgacatgc atagacatct atattttgt 120
419 attttttttt gatttttttt gatttttttt atattttttt atattttttt atattttttt 180
421 aaaaatttgt tttttttttt agattttttt atattttttt atattttttt atattttttt 240
423 tttttttttt atattttttt tttttttttt tttttttttt tttttttttt tttttttttt 300
425 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 360
427 aacacatcac atattttttt tttttttttt tttttttttt tttttttttt tttttttttt 420
429 aactctttta ac
431 >>> SEQ ID NO: 16
433 >>> LENGTH: 13
435 >>> TYPE: DNA
437 >>> ORGANISM: Glycine max
439 >>> OTHER INFORMATION: unsure at all n locations
W--> 368 <400> SEQUENCE: 16
W--> 370 tatcaaccaa ataccacagt tntcaaacct aaagtataatt acaattacaa aacataaata 60
472 gaaaatctat tcaacatcat aaaaatattt aatgaacatt aacgttaata aaactatcaa 120
474 aaacattgttaa atgaaaahaaa atattcagac caatgttaac tatagaacat agatctaac 180
476 ttttaagtgg aaaaatacat aaactgtgaa gtatgcacat aaagatttac caattgaatt 240
478 aaataataga aacttttctt gaaaatgtta acgttttaat aacttcaaaa tttttttttt 300
480 caatgtgaac ataatctctt ggaactctac catgttaata aacttcaaaa tttttttttt 360
482 ttaacacaga aacatcaact ctcttttaact atttttgtgt agcaaatatt tcaaacagac 420
484 gattttcaaa at
486 >>> SEQ ID NO: 17
488 >>> LENGTH: 49
490 >>> TYPE: DNA
492 >>> ORGANISM: Glycine max
494 >>> SEQUENCE: 17
496 agatttttata aagtttttcta tgaacttgctt gttccatgctt tccagttaata ttctcctaa 60
498 caattattgaa aaactaaagg gctatgggat cttcttgctt caaacctcta gattgatcaa 120
500 actttctttaa agagcttaca tttttcaaaa tttttatcaa tcttaagtaa tttttcaaaa 180
502 atatccaaaa tctctaattt ggaacaaaaa caatttttca tttttatcaa tttttcaaaa 240
504 caataagaaa tgaattgtag gtttttcaa atctccactt aagaatcttc aaagttttct 300
506 tattttctct ttttttctca accacttctt taagggttag aataccatg 360
508 >>> SEQ ID NO: 18
510 >>> LENGTH: 131
512 >>> TYPE: DNA
514 >>> ORGANISM: Glycine max
516 >>> OTHER INFORMATION: unsure at all n locations
W--> 413 <400> SEQUENCE: 18
W--> 415 tntaaagccc tcaaatgact ggaatggcac accccaactta aatgattatg aaagagggat 60
417 aataatgtga gatttttga caatttaaaa gaaggaagtg gactttttaa gttatttgaa 120
419 gacaagtcta gataaacaag ttgagctgagt ttgagaagtg aactgaagag tttttccata 180
421 aatttgccagt aagctatagat aattgttagt aactgttctta ttttgaatt tttttcattg 240
423 agttttcttg agaaatttat atagctaaaa tttctttgat gaagagaacg atgtttatggg 300
425 aagttttgga aagaaccccc aagatctttg ttgtcttga gttcaaggac ttccaacatt 360
427 gatatttggg atatatcttt tggaaaaaaa ccatccaagc caaaccttct taactctagt 420
429 gttaataaaa tggagaattt acaagggatt c

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Please Note:

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.


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L:132 M:132 w: Mandatory Feature missing. -232 not found for SEQ ID=11
L:133 M:133 w: Mandatory Feature missing. -233 not found for SEQ ID=11
L:134 M:134 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=11
L:135 M:135 w: Missing Blank Line separator. -100- field identifier
L:136 M:136 w: Mandatory Feature missing. -236 not found for SEQ ID=11
L:137 M:137 w: Mandatory Feature missing. -237 not found for SEQ ID=11
L:138 M:138 w: (18) "n" or "Xaa" used: Feature required. for SEQ ID=11
L:139 M:139 w: Mandatory Feature missing. -239 not found for SEQ ID=11
L:140 M:140 w: Mandatory Feature missing. -240 not found for SEQ ID=11
L:141 M:141 w: Mandatory Feature missing. -241 not found for SEQ ID=11
L:142 M:142 w: Mandatory Feature missing. -242 not found for SEQ ID=11
L:143 M:143 w: (18) "n" or "Xaa" used: Feature required. for SEQ ID=11
L:144 M:144 w: Missing Blank Line separator. -100- field identifier
L:145 M:145 w: Mandatory Feature missing. -245 not found for SEQ ID=11
L:146 M:146 w: Mandatory Feature missing. -246 not found for SEQ ID=11
L:147 M:147 w: Mandatory Feature missing. -247 not found for SEQ ID=11
L:148 M:148 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=11
L:149 M:149 w: Missing Blank Line separator. -100- field identifier
L:150 M:150 w: Mandatory Feature missing. -250 not found for SEQ ID=16
L:151 M:151 w: Mandatory Feature missing. -251 not found for SEQ ID=16
L:152 M:152 w: Mandatory Feature missing. -252 not found for SEQ ID=16
L:153 M:153 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:154 M:154 w: Missing Blank Line separator. -100- field identifier
L:155 M:155 w: Mandatory Feature missing. -255 not found for SEQ ID=16
L:156 M:156 w: Mandatory Feature missing. -256 not found for SEQ ID=16
L:157 M:157 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:158 M:158 w: Missing Blank Line separator. -100- field identifier
L:159 M:159 w: Mandatory Feature missing. -259 not found for SEQ ID=16
L:160 M:160 w: Mandatory Feature missing. -260 not found for SEQ ID=16
L:161 M:161 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:162 M:162 w: Missing Blank Line separator. -100- field identifier
L:163 M:163 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:164 M:164 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:165 M:165 w: Missing Blank Line separator. -100- field identifier
L:166 M:166 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:167 M:167 w: Missing Blank Line separator. -100- field identifier
L:168 M:168 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:169 M:169 w: Missing Blank Line separator. -100- field identifier
L:170 M:170 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:171 M:171 w: Missing Blank Line separator. -100- field identifier
L:172 M:172 w: (16) "n" or "Xaa" used: Feature required. for SEQ ID=16
L:173 M:173 w: Missing Blank Line separator. -100- field identifier

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File Name: N:\CRE 3\05092000\1552087.raw

file: C:\Crf3 Outhold Vsr\1552087.htm

[illegible]

Input File: D:\SoybeAnnotated.rpt
Output File: N:\CRF3\05092000\1552087.raw

[illegible]